

BRUHAT BANGALORE MAHANAGARA PALIKE

YELAHANKA ZONE

NAME OF WORK:- MODIFIED ESTIMATE FOR THE IMPROVEMENTS OF ROADS AND DRAIN IN VAYANANDANA LAYOUT & NETHAJI NAGARA IN WARD NO. 07.KODIGEHALI SUB DIVISION.

ESTIMATED COST 1520510.45

Sl No	Description of work	Unit	No	Length	Breadth	Depth	Quantity	Rate in Rs	Amount in Rs
1	KSRRB M300-2: Earth work excavation by manual means in Ordinary Soil involving an average horizontal throw up to 2mts and an average lift up to 0.5m, excavated surface levelled and sides neatly dressed, the disposed earth to be levelled neatly after breaking of clods complete as per specifications complete as per specifications. MORTH Chapter 3. (P.No.149, I.No.19.1 of PW,P&I/WT D S.R 2011-12)								
	For removing of silt in Existing drain	Cum							
	1st Main Road		1	212.00	6.20	0.10	131.44		
	2nd Main Road		1	150.00	6.20	0.10	93.00		
	3rd Main Road		1	140.00	6.20	0.10	86.80		
	Cross Road- 3rd Cross		1	50.00	6.20	0.10	31.00		
	4th Cross		1	59.00	6.20	0.10	36.58		
	5th Cross		1	40.00	6.20	0.10	24.80		
			1	65.00	6.20	0.10	40.30		
			1	60.00	6.20	0.10	37.20		
	1st Cross		1	40.00	6.20	0.10	24.80		
	Muniswamegoda layout- Main Road		1	130.00	7.00	0.10	91.00		
			1	63.00	7.00	0.10	44.10		
	1st Cross		1	23.00	7.00	0.10	16.10		
			2	80.00	7.00	0.10	112.00		
							769.12	66.00	50762.00
	Basic Rate Rs.	58.20							
	Add 8% A.W Rs.	4.66							
	Total Rate Rs.	62.86							
	Modified Tenderd Rate	66.00							
2	Removing BS Slab of drain and stacking. (P.No.28, I.No.5.32 of PW,P&I/WT D S.R 2011-12)							Sqm	
	For Existing drain sides		2	200.00	1.35	--	540.00		
							540.00		
	Deduct 20% for missing slabs	20%	540.00	--	--	--	108.00		
							Net Qty	432.00	50.00
									21600.00
	Basic Rate Rs.	44.00							
	Add 8% A.W Rs.	3.52							
	Total Rate Rs.	47.52							
	Modified Tenderd Rate	50.00							
3	Refixing stone slabs of drains and pointing in CM 1:3. (P.No.28, I.No. 5.33 of PW,P&I/WT D S.R 2011-12)								
	Qty Same as I.No.1	Sqm	--	--	--	--	432.00	64.00	27648.00
	Basic Rate Rs.	55.00							
	Add 8% A.W Rs.	4.40							
	Total Rate Rs.	59.40							
	Modified Tenderd Rate	64.00							
4	KSRRB 2-2.1: Earthwork excavation for foundation of buildings, culverts, water supply, sanitary lines and electrical conduits either in pits or in trenches 1.5m and above in width, in ordinary soil not exceeding 1.5 m. in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead up to 50 m. after breaking of clods complete as per specification. (Page No.5 item No.2.3)								
	Culvert	Cum	2	7.50	2.00	1.20	36.00		
							36.00	150.00	5400.00

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	Basic Rate Rs.	134.00							
	Add 8% A.W Rs.	10.72							
	Total Rate Rs.	144.72							
	Modified Tenderd Rate	150.00							
5	Providing and laying in position plain cement concrete of mix M7.5 with OPC cement @ 180kgs, with 40mm and down size graded granite metal coarse aggregates @ 0.85cum and fine aggregates @ 0.57 cum machine mixed, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation and plinth, including cost of all materials, labour, HOM of machinery, curing complete as per specifications.								
	(P.No.12, I.No.4.3 of PW,P&IWD S.R 2011-12)								
	Culverts	Cum	2	7.50	2.00	0.15	4.50		
							4.50	4100.00	18450.00
	Basic Rate Rs.	3647.60							
	Add 8% A.W Rs.	291.81							
	Total Rate Rs.	3939.41							
	Modified Tenderd Rate	4100.00							
6	KSRB - 5.2.3: Providing and constructing granite size stone masonry in foundation cement mortar 1:6 , stone hammerd dressed in courses not less than 20 cms high, bond stones at two m.apart in each course including cost of materials, labour, curing complete as per specifications. KBS 5.1.13								
	(P.No.25, I.No.5.6 of PW, P&IWD SR 2011-12)								
	Culverts	Cum	2 X 2	7.50	0.60	1.00	18.00		
							18.00	3000.00	54000.00
	Basic Rate Rs.	2618.40							
	Add 8% A.W Rs.	209.47							
	Total Rate Rs.	2827.87							
	Modified Tenderd Rate	3000.00							
7	KSRB - 15.1.1: Providing flush pointing to square rubble, course or uncoursed stone masonry with CM 1:3 , 20mm deep, after raking joints to depth of 20mm nicely lining, including cost of materials, labour, curing complete as per specifications.								
	(P.No.119, I.No.15.1 of PW, P&IWD SR 2011-12)								
	Culverts	Sqm	2 X 2	7.50		1.00	30.00		
							30.00	84.00	2520.00
	Basic Rate Rs.	73.82							
	Add 8% A.W Rs.	5.91							
	Total Rate Rs.	79.73							
	Modified Tenderd Rate	84.00							
8	Providing granite slabs of selected quality roughly dressed and fixed in cement mortar (1:6) including fixing curing etc., complete. (7.50cms thick)								
	(P.No.28, I.No.5.31.1 of PW,P&IWD SR 2011-12.)								
	For B5 Slab Drain	Sqm							
	Consider missing qty @ 20% As per I.No.2		20%	108.00	--	--	21.60		
							21.60	340.00	7344.00
	Basic Rate Rs.	303.00							
	Add 8% A.W Rs.	24.24							
	Total Rate Rs.	327.24							
	Modified Tenderd Rate	340.00							
9	KSRB - 4-1.6: Providing and laying in position plain cement concrete of mix M15 with cement @ 240 kgs, with 20mm and down size graded granite metal coarse aggregates @ 0.878cum and fine aggregates @ 0.459cum, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation, plinth and cills, including cost of all materials, labour, HOM of machinery, curing complete as per specifications.								
	(P.No.12, I.No.4.6 of PW, P&IWD SR 2011-12)								
	Coping		2 X 2	7.50	0.60	0.10	1.80		
	For ramp flogging		4	7.50	0.35	0.20	2.10		
	Basic Rate Rs.	4131.80					3.90	4560.00	17784.00

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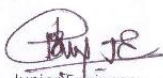
	Add 8% A.W Rs.	330.54							
	Total Rate Rs.	4462.34							
	Modified Tenderd Rate	4560.00							
10	Providing and laying cement concrete using 20mm and down size granite coarse aggregates and fine aggregates of ready mixed concrete for RCC Works laid in 15cms thick layers and well compacted including vibrating curing etc., including smooth finish in CM 1:3 with all lead and lift etc., complete (exclusive of cost of steel and fabrication charges) Ready mixed Cement concrete for Beams, Columns Staircase and Roof with M-20 (1:1.5:3) (Cement 320kg/cum) (Page No.19 item No.4.49.1)								
	Culvert	Cum	2	7.50	1.80	0.23	6.21		
							6.21	5200.00	32292.00
	Basic Rate Rs.	4631.40							
	Add 8% A.W Rs.	370.51							
	Total Rate Rs.	5001.91							
	Modified Tenderd Rate	5200.00							
11	KSRB 4-6.2 : Providing and removing centering, shuttering, strutting, propping etc, and removal of form work for flat surface such as suspended floors, roofs, landings, balconies and likes, thickness above 200 mm including cost of all materials, labour complete as per specifications. Specification No KBS 4.6.2. (Page No.17 item No.4.30)								
	Culvert	Sqm	2	7.50	0.60		9.00		
			2	19.00			0.25	9.50	
							18.50	319.90	5918.00
	Basic Rate Rs.	270.00							
	Add 8% A.W Rs.	21.60							
	Total Rate Rs.	291.60							
	Modified Tenderd Rate	319.90							
12	KSRB 4.9.2: Providing TMT. Steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and /or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications. (Page No. 19 item No.4.46)								
	80 Kg of Qty vide Item No. 11	Qtl		6.21			496.80		
	Basic Rate Rs.	6803.54					4.96	7500.00	37200.00
	Add 8% A.W Rs.	544.28							
	Total Rate Rs.	7347.82							
	Modified Tenderd Rate	7500.00							
13	KSRB M300-53: Construction of embankment with approval material Gravel/Murum with all lifts and leads, transporting to site, spreading, grading to required slope and compacting to meet requirement Table 300-2 complete as per specifications. (which includes cost of gravel / murum, watering charges & compaction by vibratory roller) (P No. 156 / i 19.60 SR 2011-12)								
	1st Main Road	Cum	1	212.00	6.20	0.15	197.16		
	2nd Main Road		1	150.00	6.20	0.15	139.50		
	3rd Main Road		1	140.00	6.20	0.15	130.20		
	Cross Road- 3rd Cross		1	50.00	6.20	0.15	46.50		
	4th Cross		1	59.00	6.20	0.15	54.87		
	5th Cross		1	40.00	6.20	0.15	37.20		
			1	65.00	6.20	0.15	60.45		
			1	60.00	6.20	0.15	55.80		
	1st Cross		1	40.00	6.20	0.15	37.20		
	Muniswamegoda layout- Main Road		1	130.00	7.00	0.15	136.50		
			1	63.00	7.00	0.15	66.15		
	1st Cross		1	23.00	7.00	0.15	24.15		
			2	80.00	7.00	0.15	168.00		
							1153.68	150.00	173052.00
	Basic Rate Rs.	136.00							
	Add 8% A.W Rs.	10.88							
	Total Rate Rs.	146.88							
	Modified Tenderd Rate	150.00							

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14	KSRRB M400-14.1. Providing, laying, spreading and compacting stone aggregates of specific sizes to water bound macadam specifications including spreading in uniform thickness, hand packing, rolling with 3- wheeled steel/vibratory roller 8-10 tonnes in stages to proper grade and camber, applying and brooming requisite type of screening/binding materials to fill up the interstices of coarse aggregates, watering and compacting to the required density complete as per Specification. A. By mannual means. MORTH Specification No. 404 - Type A 13.2mm for grading II (Page No. 166 Item No. 20.14.1								
	1st Main Road	Cum	1	212.00	6.20	0.10	131.44		
	2nd Main Road		1	150.00	6.20	0.10	93.00		
	3rd Main Road		1	140.00	6.20	0.10	86.80		
	Cross Road- 3rd Cross		1	50.00	6.20	0.10	31.00		
	4th Cross		1	59.00	6.20	0.10	36.58		
	5th Cross		1	40.00	6.20	0.10	24.80		
			1	65.00	6.20	0.10	40.30		
			1	60.00	6.20	0.10	37.20		
	1st Cross		1	40.00	6.20	0.10	24.80		
	Muniswamegoda layout- Main Road		1	130.00	7.00	0.10	91.00		
			1	63.00	7.00	0.10	44.10		
	1st Cross		1	23.00	7.00	0.10	16.10		1006747.00
			2	80.00	7.00	0.10	112.00		
							769.12	1373.75	1056581.00
	Basic Rate Rs.	1212.00						1308.96	
	Add 8% A.W Rs.	96.96							
	Total Rate Rs.	1308.96							
	Modified Tenderd Rate	1373.75							
15	Lead for Disposal of Debris shall be payable at carage rates by Mechanical means including loading and unloading. From 0.00 to 5.00 Km (Page No.141)								
	Basic rate for haulage of materials as per item no.17.4 page 141) Rs. 2.00	Cum							
	Average weight of earth 1.28 tonne / kg for 5X1.28X2.00=12.80 PAGE NO.147	12.80	Qty vide Item No.01 + 04				50.00	81.00	4050.00
	Add loading and unloading Vide item no.17.1 P.no.141	62.20							
		75.00							
	Area Weightage @ 8%	6.00							
	Total	81.00							
15	Miscellaneous & Rounding off								
									5909.45
							Total Rs.		1520510.45
(Rupees:- Fifteen Lakhs Twenty Thousand Five Hundred Ten and forty five Paise Only)									

CERTIFICATE:

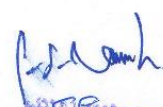
- 1 The work spot has been inspected me and the work is found to be necessary.
- 2 The estimate is prepared as per PW, P&I WTD S.R Bangalore circle for the year 2011-2012.
- 3 The Provisions made in the estimate are quite necessary and adequate.
- 4 The area comes with in the BBMP limits.


Junior Engineer
Ward No. 07


Assistant Executive Engineer
Kodigehalli Sub Division
BBMP


Executive Engineer
Byatarayanapura Division
BBMP

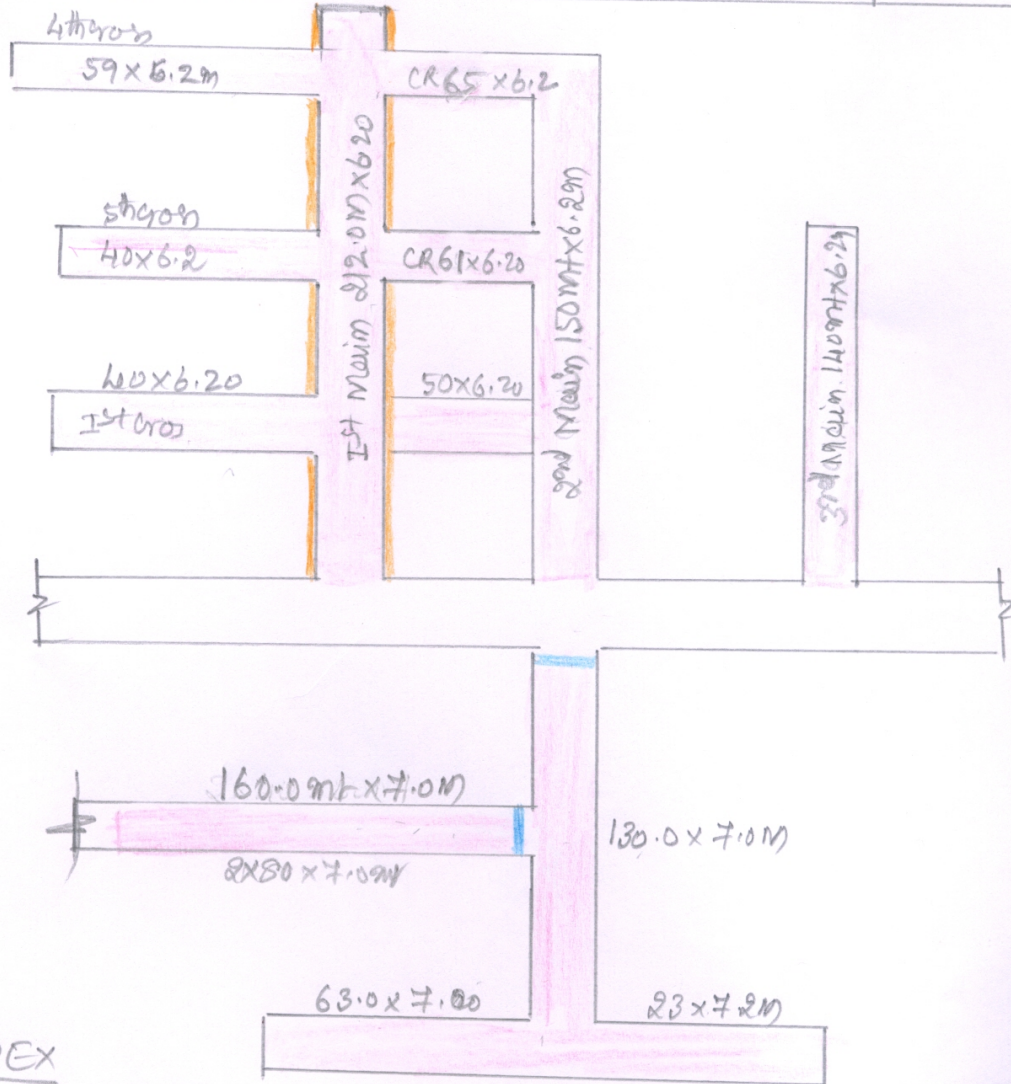
Modified Est. Sanctioned
for Rs 15.20 lakhs
on 13.06.13 under CERN No
121.


BBMP

Name of Work: Modified Estimate for the improvement of roads and drains in Vijayanagara layout in Mettlinginagar in Ward no 7 Vijayanagara



NOT-TO-SCALE



INDEX

- B.S. Slab Works
- CD Construction
- Mettling WBM Works.

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Assistant Executive Engineer,
Kodigehalli Sub Division,
Yelahanka Zone, B.B.M.P.,
Bangalore.



ಬೃಹತ್ ಬೆಂಗಳೂರು ಮಹಾನಗರ ಪಾಲಿಕೆ

ಸಂಖ್ಯೆ:ಬೃ.ಬೆ.ಮ.ಪಾ/ಮು.ಅ/ಯ.ವಿ/ತಾ.ಮ/121/2015-16

ಮುಖ್ಯ ಅಭಿಯಂತರರವರ ಕಛೇರಿ
ಯಲಹಂಕ ವಲಯ, ಬೃ.ಬೆ.ಮ.ಪಾ.
ಬೆಂಗಳೂರು-92

ದಿನಾಂಕ: 13/06/13

ಮಾರ್ಪಾಡಿತ ತಾಂತ್ರಿಕ ಮಂಜೂರಾತಿ

ವಿಷಯ:- Improvements of roads and drains in Vayanandana layout & Nethaji nagara in ward no. 07 Kodigehalli sub division.

ಉಲ್ಲೇಖ:1. ಮುಖ್ಯ ಲೇಕ್ಕಾಧಿಕಾರಿ ರವರ ಕಛೇರಿ, ಕಾಮಗಾರಿ ಸಂಕೇತ:

2. ಆಡಳಿತಾತ್ಮಕ ಮಂಜೂರಾತಿ ಸಂಖ್ಯೆ:ಬೃ.ಬೆ.ಮ.ಪಾ/ಜಂ.ಆ/ಯ.ವ/ಆ.ಅ/203/2012-13
ದಿ:14.05.2012

3. ಈ ಹಿಂದೆ ನೀಡಲಾಗಿರುವ ತಾಂತ್ರಿಕ ಮಂಜೂರಾತಿ ಸಂಖ್ಯೆ: ಬೃ.ಬೆ.ಮ.ಪಾ/
ಕಾ.ಅ/ಯ.ವ/ತಾ.ಮ/98/2012-13 ದಿ:15.05.2012 ರದ್ದುಪಡಿಸಿದೆ.

4. ಸದರಿ ಮಾರ್ಪಾಡಿತ ಅಂದಾಜು ಪಟ್ಟಿಗೆ ಕಡತದ ಕಂಡಿಕೆ(33)ರಲ್ಲಿ ಮುಖ್ಯ
ಅಭಿಯಂತರರು(ಯಲಹಂಕ ವಲಯ)ರವರು ಅನುಮೋದನೆ ನೀಡಿರುತ್ತಾರೆ.

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ಮೇಲ್ಕಂಡ ವಿಷಯಕ್ಕೆ ಸಂಬಂಧಿಸಿದಂತೆ, ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು (ಕೊಡಿಗೇಹಳ್ಳಿ ಉಪ ವಿಭಾಗ) ರವರು 2011-12ನೇ ಸಾಲಿನ ಕೆ.ಪಿ.ಡಬ್ಲ್ಯೂ.ಡಿ. ಎಸ್.ಆರ್ ದರಪಟ್ಟಿಯನ್ವಯ, ಬೃಹತ್ ಬೆಂಗಳೂರು ಮಹಾನಗರ ಪಾಲಿಕೆ ಯಲಹಂಕ ವಲಯದ ಪಿ-1771, ಅನುದಾನದಡಿಯಲ್ಲಿ ಮೇಲ್ಕಂಡ ಕಾಮಗಾರಿಗೆ ಉಲ್ಲೇಖ(3)ರಂತೆ ತಾಂತ್ರಿಕ ಮಂಜೂರಾತಿಯನ್ನು ರೂ. 14.50 ಲಕ್ಷಗಳಿಗೆ ನೀಡಲಾಗಿದ್ದು ಸದರಿ ಅಂದಾಜು ಪಟ್ಟಿಯನ್ನು ಮಾರ್ಪಾಡಿಸಲಾಗಿದ್ದು, ಈ ಹಿಂದೆ ನೀಡಲಾಗಿರುವ ತಾಂತ್ರಿಕ ಮಂಜೂರಾತಿಯನ್ನು ರದ್ದುಗೊಳಿಸಲಾಗಿರುತ್ತದೆ.

ಸದರಿ ಅಂದಾಜು ಪಟ್ಟಿಯಲ್ಲಿ ಕೆಲವು ಅಂಶಗಳಿಗೆ 2011-12ನೇ ಸಾಲಿನ ಕೆ.ಪಿ.ಡಬ್ಲ್ಯೂ.ಡಿ. ಎಸ್.ಆರ್ ದರಪಟ್ಟಿಯನ್ವಯ ಅಂದಾಜು ಪಟ್ಟಿಯನ್ನು ಸ್ಥಳ ಬದಲಾವಣೆ ಮಾಡಲಾಗಿದ್ದು, ರೂ. 14.50 ಲಕ್ಷಗಳಿಗೆ ತಾಂತ್ರಿಕ ಮಂಜೂರಾತಿಯನ್ನು ನೀಡಲಾಗಿದೆ.

ಉಲ್ಲೇಖ (1) ರಂತೆ ಕಾಮಗಾರಿ ಸಂಕೇತ ಹಾಗೂ ಉಲ್ಲೇಖ (2) ರಂತೆ ಜಂಟಿ ಆಯುಕ್ತರು ಆಡಳಿತಾತ್ಮಕ ಅನುಮೋದನೆ ನೀಡಿರುವುದರಿಂದ ಮಾನ್ಯ ಆಯುಕ್ತರವರು ಆದೇಶ ಸಂಖ್ಯೆ:ಬಿ12(1)ಪಿ.ಆರ್/394/2011-12 ದಿನಾಂಕ:02-09-2014ರಲ್ಲಿ ನೀಡಿರುವ ಅಧಿಕಾರದನ್ವಯ ಸದರಿ ಕಾಮಗಾರಿಗೆ ಕೆಳಗಿನ ಷರತ್ತುಗಳನ್ವಯ ತಾಂತ್ರಿಕ ಮಂಜೂರಾತಿಯನ್ನು ನೀಡಲಾಗಿದೆ ಹಾಗೂ ತಾಂತ್ರಿಕ ಮಂಜೂರಾತಿ ಪುಸ್ತಕ ಪುಟ ಸಂಖ್ಯೆ_____ಕ್ರ.ಸಂ 121 ರಲ್ಲಿ ಈ ಕೆಳಗಿನ ಷರತ್ತುಗಳಂತೆ ದಾಖಲಿಸಲಾಗಿದೆ.

ಷರತ್ತುಗಳು:

1. ಅಂದಾಜು ಪಟ್ಟಿಯ ಮೊತ್ತ ರೂ. 2.00 ಲಕ್ಷಗಳಿಗೆ ಮೀರಿದ ಕಾಮಗಾರಿಗಳಿಗೆ ಟೆಂಡರ್ ಕರೆಯುವುದು.
2. ರಸ್ತೆ ಇತಿಹಾಸ ಪುಸ್ತಕದಲ್ಲಿ (Road History book/Register)ಈ ಕೆಲಸದ ವಿವರಗಳನ್ನು ದಾಖಲಿಸಿ ಕ್ರಮಬದ್ಧಗೊಳಿಸುವುದು.
3. ಕೆಲಸದ ಸ್ಥಳದಿಂದ ಸಾಗಣೆ ದೂರಕ್ಕೆ ಅನುಮೋದನೆ ಪಡೆಯುವುದು.
4. ಮೇಲಿನ ಕೆಲಸದ ವೆಚ್ಚವನ್ನು ಉಪ ಅನುದಾನದಡಿಯಲ್ಲಿ ಭರಿಸುವುದು.

P. J. Nethaji 13/6/13
ಮುಖ್ಯ ಅಭಿಯಂತರರು
ಯಲಹಂಕ ವಲಯ

ಬಿ.ಬಿ.ಎಂ.ಪಿ, ಬೆಂಗಳೂರು-92.

ಪ್ರತಿಯನ್ನು:

1. ಮಾನ್ಯ ಅಪರ ಆಯುಕ್ತರು, ಬಿ.ಬಿ.ಎಂ.ಪಿ ಯಲಹಂಕ ವಲಯರವರ ಮಾಹಿತಿಗಾಗಿ.
2. ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು, ಬ್ಯಾಟರಾಯನಪುರ ವಿಭಾಗ, ಬೃಹತ್ ಬೆಂಗಳೂರು ಮಹಾನಗರ ಪಾಲಿಕೆರವರ ಮಾಹಿತಿಗಾಗಿ.
3. ಸಹಾಯಕ ಹಣಕಾಸು ನಿಯಂತ್ರಕರು, ಬೃಹತ್ ಬೆಂಗಳೂರು ಮಹಾನಗರ ಪಾಲಿಕೆ ರವರ ಮಾಹಿತಿಗಾಗಿ.
4. ಮುಖ್ಯ ಲೇಕ್ಕಾಧಿಕಾರಿಗಳು, ಬೃಹತ್ ಬೆಂಗಳೂರು ಮಹಾನಗರ ಪಾಲಿಕೆ ರವರ ಮಾಹಿತಿಗಾಗಿ.

BRUHATH BANGALORE MAHANAGARA PALIKE

COMPARATIVE STATEMENT

Name of work:- Modified Estimate for the Improvements of Rods and Drains in Vayanandana layout & Nethaji Nagara in Ward No. 07, Kodigehalli sub division

Name of Contractor: Sri. C. Shivaraju

Estimated Cost:-14.50 lakhs

Tender Amount Rs:-1520510.45

Work order No:- EL/BTP/BBMP/E-TND/166/2012-13

SL No	Description	Unit	As per Sanction estimates 2011-12 SR			As per tenders Items			As per Actual Modified Estimate 2011-12 SR			Modified, Tenderd Items			Remarks
			Qty	Rate	Amount	Qty	Rate	Amount	Qty	Rate	Amount	Qty	Rate	Amount	
1	KSRB M300-2: Earth work excavation by manual means in Ordinary Soil involving an average horizontal throw up to 2mts and an average lift up to 0.5m, excavated surface levelled and sides neatly dressed, the disposed earth to be levelled neatly after breaking of clods complete as per specifications complete as per specifications. MORTH Chapter 3. (P.No.149, I.No.19.1 of PW,P&IWD S.R.2011-12)	cum	68.40	62.86	4299.00	68.40	66.00	4514.00	769.12	62.86	48344.00	769.12	66.00	50762.00	
2	Removing BS Slab of drain and stacking. (P.No.28, I.No.5.32 of PW,P&IWD S.R.2011-12)	Sqm	410.40	47.52	19502.00	410.40	50.00	20520.00	432.00	47.52	20529.00	432.00	50.00	21600.00	
3	Refixing stone slabs of drains and pointing in CM 1:3. (P.No.28, I.No. 5.33 of PW,P&IWD S.R.2011-12)	Sqm	410.40	59.40	24378.00	410.40	64.00	26266.00	432.00	59.40	25661.00	432.00	64.00	27648.00	
4	KSRB 2-2.1: Earthwork excavation for foundation of buildings, culverts, water supply, sanitary lines and electrical conduits either in pits or in trenches 1.5m and above in width, in ordinary soil not exceeding 1.5 m. in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead up to 50 m. after breaking of clods complete as per specification. (Page No.5 item No.2.3)	cum	1068.00	144.72	154561.00	358.00	150.00	53700.00	36.00	144.72	5210.00	36.00	150.00	5400.00	
5	Providing and laying in position plain cement concrete of mix M7.5 with OPC cement @ 180kgs, with 40mm and down size graded granite metal coarse aggregates @ 0.85cum and fine aggregates @ 0.57 cum machine mixed, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation and plinth, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. (P.No.12, I.No.4.3 of PW,P&IWD S.R.2011-12)	cum	48.00	3799.44	182733.00	51.00	4100.00	209100.00	4.50	3939.41	17727.00	4.50	4100.00	18450.00	
6	KSRB - 5.2.3: Providing and constructing granite size stone masonry in foundation cement mortar 1:6, stone hammerd dressed in courses not less than 20 cms high, bond stones at two m.apart in each course including cost of materials, labour, curing complete as per specifications. KBS 5.1.13 (P.No.25, I.No.5.6 of PW, P&IWD SR 2011-12)	Cum	54.00	2773.44	149766.00	54.00	3000.00	162000.00	18.00	2827.87	50902.00	18.00	3000.00	54000.00	
7	KSRB - 15.1.1: Providing flush pointing to square rubble, course or uncoursed stone masonry with CM 1:3, 20mm deep, after raking joints to depth of 20mm nicely lining, including cost of materials, labour, curing complete as per specifications. (P.No.119, I.No.15.1 of PW, P&IWD SR 2011-12)	Sqm	90.00	75.06	6755.00	90.00	84.00	7560.00	30.00	79.73	2392.00	30.00	84.00	2520.00	
8	Providing granite slabs of selected quality roughly dressed and fixed in cement mortar (1:6) including fixing curing etc., complete. (7.50cms thick) (P.No.28, I.No.5.31.1 of PW,P&IWD SR 2011-12.)	Sqm	1254.60	327.24	410555.00	102.60	340.00	34884.00	21.60	327.24	7068.00	21.60	340.00	7344.00	
9	KSRB - 4-1.6: Providing and laying in position plain cement concrete of mix M15 with cement @ 240 kgs, with 20mm and down size graded granite metal coarse aggregates @ 0.878cum and fine aggregates @ 0.459cum, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation, plinth and cills, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. (P.No.12, I.No.4.6 of PW, P&IWD SR 2011-12)	cum	9.60	4275.72	41047.00	9.60	4560.00	43776.00	3.90	4462.34	17403.00	3.90	4560.00	17784.00	

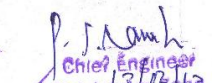
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Byatarayanappa Division
Valahanka Zone, B.B.M.P.

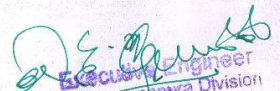
10	KSRB M300-53: Construction of embankment with approval material Gravel/Murum with all lifts and leads, transporting to site, spreading, grading to required slope and compacting to meet requirement Table 300-2 complete as per specifications. (which includes cost of gravel / murum, watering charges & compaction by vibratory roller) (P No. 156 / i 19.60 SR 2011-12)	cum	25 46.00	146.88	6756.00	25.00	150.00	3750.00	1153.68	146.88	169453.00	1153.68	150.00	173052.00
11	Providing and laying cement concrete using 20mm- and down size granite coarse aggregates and fine aggregates of ready mixed concrete for RCC Works laid in 15cms thick layers and well compacted including vibrating curing etc., including smooth finish in CM 1:3 with all lead and lift etc., complete (exclusive of cost of steel and fabrication charges) Ready mixed Cement concrete for Beams, Columns Staircase and Roof with M-20 (1:1.5:3) (Cement 320kg/cum) (Page No.19 item No.4.49.1)	cum	56.63 83.43	4753.08	396549.00	68.63	5200.00	356876.00	6.21	5001.91	31062.00	6.21	5200.00	32292.00
12	KSRB 4.6.2 : Providing and removing centering, shuttering, strutting, propping etc. and removal of form work for flat surface such as suspended floors, roofs, landings, balconies and likes, thickness above 200 mm including cost of all materials, labour complete as per specifications. Specification No KBS 4.6.2. (Page No.17 item No.4.30)	Sqm	955.10 1092.30	291.60	318515.00	955.50	319.90	305664.00	18.50	291.60	5395.00	18.50	319.90	5918.00
13	KSRB 4.9.2: Providing TMT. Steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and for welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary -complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HCM of machinery complete as per specifications. (Page No. 19 item No.4.46)	Qtl	20.27 22.03 38.91	6382.80	140626.00	38.92	7500.00	291900.00	4.96	7347.82	36445.00	4.96	7500.00	37200.00
14	Lead for Disposal of Debris shall be payable at carage rates by Mechanical means including loading and unloading. From 0.00 to 5.00 Km (Page No.141)		1136.40	81.00	92048.00	-	-	-	50.00	81.00	4050.00	738.19	81.00	59793.00
Extra Items														
1	KSRB M400-14.1. Providing, laying, spreading and compacting stone aggregates of specific sizes to water bound macadam specifications including spreading in uniform thickness, hand packing, rolling with 3- wheeled steel/vibratory roller. 8-10 tonnes in stages to proper grade and camber, applying and brooming requisite type of screening/binding materials to fill up the interstices of coarse aggregates, watering and compacting to the required density complete as per Specification. A. By manual means. MORTH Specification No. 404 - Type A 13.2mm for grading II (Page No. 166 item No. 20.14.1	cum	-	-	-	-	-	-	769.12	1308.96	1006747.00	769.12	1308.96	1006747.00
Total					1947730.00			1520510.00			1448388.00			1520510

Statement	Rupees
Amount of Original sanctioned estimates vide	1947730
Amount of As per tender	1520510
savings	-
excess	-
% excess over contract amount	-


Assistant Engineer
Ward no. 07


Assistant Executive Engineer
Kodigehalli sub division
BBMP, Bangalore


Chief Engineer
Yelahanka Zone
Bruhat Bangalore Mahanagara
Bangalore 92


Executive Engineer
Bruhat Bangalore Division
Bruhat Bangalore Mahanagara
Bangalore - 560 092

Bangalore-560092

BRUHAT BANGALORE MAHANAGARA PALIKE

Item No.81

MODIFIED APPROVED SCHEDULE - B

Tender Notification No: BBMP/ EE /Btp/Ten/02/2012-13 Dated: 15-05-2012

Name of Work: IMPROVEMENTS OF ROADS AND DRAIN IN VAYANANDANA LAYOUT & NETHAJI NAGARA IN WARD NO. 07.KODIGEHALLI SUB DIVISION.

Sl. No.	Approved Qty.	Description	Unit	Approved Tender Rates of	
				C.SHIVARAJU	
				In Figures	In Words
1	769.12	KSRRB M300-2: Earth work excavation by manual means in Ordinary Soil involving an average horizontal throw up to 2mts and an average lift up to 0.5m, excavated surface levelled and sides neatly dressed, the disposed earth to be levelled neatly after breaking of clods complete as per specifications complete as per specifications. MORTH Chapter 3. (P.No.149, I.No.19.1 of PW,P&IWTD S.R 2011-12)	cum	66.00	Rupees Sixty Six Only
2	432.00	Removing BS Slab of drain and stacking. (P.No.28, I.No.5.32 of PW,P&IWTD S.R 2011-12)	Sqm	50.00	Rupees Fifty Only
3	432.00	Refixing stone slabs of drains and pointing in CM 1:3. (P.No.28, I.No. 5.33 of PW,P&IWTD S.R 2011-12)	Sqm	64.00	Rupees Sixty Four Only
4	36.00	KSRB 2-2.1: Earthwork excavation for foundation of buildings, culverts, water supply, sanitary lines and electrical conduits either in pits or in trenches 1.5m and above in width, in ordinary soil not exceeding 1.5 m. in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead up to 50 m. after breaking of clods complete as per specification. (Page No.5 item No.2.3)	cum	150.00	Rupees One Hundred Fifty Only
5	4.50	Providing and laying in position plain cement concrete of mix M7.5 with OPC cement @ 180kgs, with 40mm and down size graded granite metal coarse aggregates @ 0.85cum and fine aggregates @ 0.57 cum machine mixed, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation and plinth, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. (P.No.12, I.No.4.3 of PW,P&IWTD S.R 2011-12)	cum	4100.00	Rupees Four Thousand One Hundred Only
6	18.00	KSRB - 5.2.3: Providing and constructing granite size stone masonry in foundation cement mortar 1:6, stone hammerd dressed in courses not less than 20 cms high, bond stones at two m.apart in each course including cost of materials, labour, curing complete as per specifications. KBS 5.1.13 (P.No.25, I.No.5.6 of PW, P&IWTD SR 2011-12)	Cum	3000.00	Rupees Three Thousand Only

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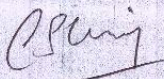
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7	30.00	1:3, 20mm deep, after raking joints to depth of 20mm nicely lining, including cost of materials, labour, curing complete as per specifications. (P.No.119, I.No.15.1 of PW, P&IWD SR 2011-12)	Sqm	84.00	Rupees Eighty Four Only
8	21.60	Providing granite slabs of selected quality roughly dressed and fixed in cement mortar (1:6) including fixing curing etc., complete. (7.50cms thick) (P.No.28, I.No.5.31.1 of PW,P&IWD SR 2011-12.)	Sqm	340.00	Rupees Three Hundred Forty Only
9	3.90	KSRB - 4-1.6: Providing and laying in position plain cement concrete of mix M15 with cement @ 240 kgs, with 20mm and down size graded granite metal coarse aggregates @ 0.878cum and fine aggregates @ 0.459cum, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation, plinth and cills, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. (P.No.12, I.No.4.6 of PW, P&IWD SR 2011-12)	cum	4560.00	Rupees Four Thousand Five Hundred Sixty Only
10	1153.68	KSRB M300-53: Construction of embankment with approval material Gravel/Murum with all lifts and leads, transporting to site, spreading, grading to required slope and compacting to meet requirement Table 300-2 complete as per specifications. (which includes cost of gravel / murum, watering charges & compaction by vibratory roller) (P No. 156 / i 19.60 SR 2011-12)	cum	150.00	Rupees One Hundred Fifty Only
11	6.21	Providing and laying cement concrete using 20mm and down size granite coarse aggregates and fine aggregates of ready mixed concrete for RCC Works laid in 15cms thick layers and well compacted including vibrating curing etc., including smooth finish in CM 1:3 with all lead and lift etc., complete (exclusive of cost of steel and fabrication charges) Ready mixed Cement concrete for Beams, Columns Staircase and Roof with M-20 (1:1.5:3) (Cement 320kg/cum) (Page No.19 item No.4.49.1)	cum	5200.00	Rupees Five Thousand Two Hundred Only
12	18.50	KSRB 4-6.2 : Providing and removing centering, shuttering, strutting, propping etc, and removal of form work for flat surface such as suspended floors, roofs, landings, balconies and likes, thickness above 200 mm including cost of all materials, labour complete as per specifications. Specification No KBS 4.6.2. (Page No.17 item No.4.30)	Sqm	319.90	Rupees Three Hundred Nineteen and Ninety Paise Only

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Sl. No.	Approved Qty.	Description	Unit	Approved Tender Rates of	
				C.SHIVARAJU	
				In Figures	In Words
13	4.96	KSRB 4.9.2: Providing TMT. Steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and /or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications. (Page No. 19 item No.4.46)	Qtl	7500.00	Rupees Seven Thousand Five Hundred Only
14	769.12	KSRRB M400-14.1. Providing, laying, spreading and compacting stone aggregates of specific sizes to water bound macadam specifications including spreading in uniform thickness, hand packing, rolling with 3-wheeled steel/vibratory roller 8-10 tonnes in stages to proper grade and camber, applying and brooming requisite type of screening/binding materials to fill up the interstices of coarse aggregates, watering and compacting to the required density complete as per Specification. A. By manual means. MORTH Specification No. 404 - Type A 13.2mm for grading II (Page No. 166 Item No. 20.14.1	cum	1308.96	Rupees One Thousand Three Hundred Eight and Ninety Six Paise Only
15	738.19	Lead for Disposal of Debris shall be payable at carage rates by Mechanical means including loading and unloading. From 0.00 to 5.00 Km (Page No.141)	cum	81.00	Rupees Eighty One Only


Signature of the Contractor


Executive Engineer
Byarayanapura Division
BBMP, Bangalore - 92



BRUHAT BANGALORE MAHANAGARA PALIKE
Yelahanka Zone
Bangalore-92



Executive Engineer,
Byatarayanapura Division
BBMP, Bangalore-92.

No: EE/BTP/BBMP/E-TND/90/2012-14

Date: 26.07.2013.

MODIFIED WORK ORDER

To,

Sri. C. Shivaraju
Contractor
#18, nanjundeshwara nilaya,
1st main, 1st cross,
durgadevi lyt, vidyaranypura,
Bangalore-97.

Sub: IMPROVEMENTS OF ROADS AND DRAIN IN VAYANANDANA
LAYOUT & NETHAJI NAGARA IN WARD NO. 07.KODIGEHALLI SUB DIVISION.

WORK CODE: 007-12-000076

Ref: 1. Agreement no: 166 Dated: 01.10.12

2. This office W.O. No. 166 Dated: 01.10.12

3. Modified Agreement No. 90/13-14, dt: 26.07.2013.

Pursuant to your signing of the contract modified agreement IMPROVEMENTS OF ROADS AND DRAIN IN VAYANANDANA LAYOUT & NETHAJI NAGARA IN WARD NO. 07.KODIGEHALLI SUB DIVISION for the Modified contract price of Rs. 1520510.45 (Rupees Fifteen Lakhs Twenty Thousand Five Hundred and paise Forty Five only) and previous contract price is Rs. 1520510.45 (Rupees Fifteen Lakhs Twenty Thousand Five Hundred and paise Forty Five only) Mentioned in W.O. No. 166 Dated: 01-10-2012.

You are hereby instructed to proceed with the execution of said works forthwith in accordance with terms & condition of the contract documents in consultation with the Assistant Executive Engineer, Kodigehalli Sub Division and complete the same with in 60 days as per agreement. Copy of the Schedule-B is herewith enclosed for your information & necessary action.

Executive Engineer
Byatarayanapura Division
Bruhat Bangalore Mahanagara Palike
Bangalore - 560 092.

Copy Submitted to

1. The Chief Engineer, Yalahanka Zone for kind information.
2. The Assistant Executive Engineer, Byatarayanapura Sub Division along with Schedule-B for necessary action and with instructions to hand over the site and commence the work forthwith and complete with in the stipulated time.
3. The Assistant Controller of Finance, Yalahanka Zone for information.
4. The Account Superintendent, Byatarayanapura Division along with original file for information.
5. Copy to file.